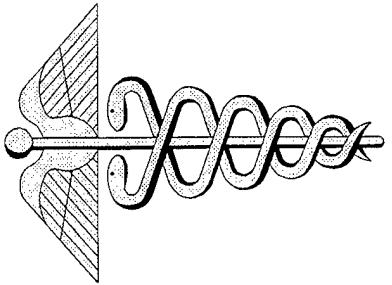
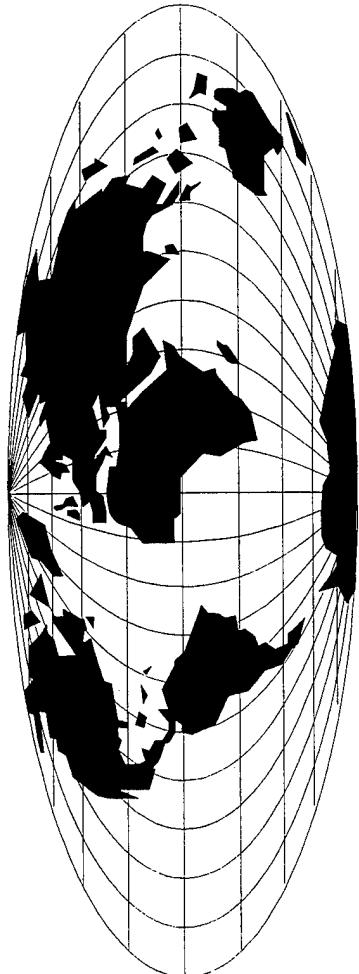
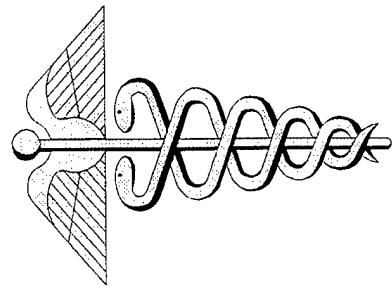


DEFENSE HEALTH PROGRAM



Real Property Maintenance and Minor Construction

FY 1999 Amended Budget Estimates
Volume III

February 1998

The Defense Health Program spans the globe to support the Department of Defense's most important resource--active and retired military members and their families.

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**DEFENSE HEALTH PROGRAM, VOLUME III
REAL PROPERTY MAINTENANCE AND MINOR CONSTRUCTION
FY 1999 AMENDED BUDGET ESTIMATES**

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**Defense Health Program Appropriation
FY 1999 Amended Budget Estimate
Real Property Maintenance Activities**

DoD Component: Defense Health Program
Appropriation: Operation & Maintenance
Program Element Numbers: 807776, 807976, 807778, 807978, 807779, 807979
FY 1997

Date:

Operations & Maintenance Costs (\$000)

Functional Category at Work Functions	Civilian Personnel	Contracts	Other	Total	Military Personnel \$0	BMDR
Active Installations						
1. Maintenance & Repair	\$15,251	\$280,497	\$70,381	\$366,129	\$675,307	
a. Utilities	\$1,964	\$24,348	\$1,982	\$28,294	\$8,277	
b. Other Real Property	\$13,287	\$256,149	\$68,399	\$337,835	\$667,030	
(1) Buildings	\$9,059	\$244,152	\$67,502	\$320,713	\$658,594	
(2) Other Facilities	\$3,301	\$1,758	\$445	\$5,504	\$813	
(3) Pavements	\$95	\$4,398	\$40	\$4,533	\$7,623	
(4) Land	\$832	\$5,841	\$412	\$7,085	\$0	
(5) Railroad Trackage	\$0	\$0	\$0	\$0	\$0	
2. Minor Construction	\$33	\$53,942	\$1,334	\$55,309	\$0	
3. Operation of Utilities	\$3,309	\$23,950	\$79,939	\$107,198		
a. Electricity - Purchased	\$4	\$12,125	\$44,297	\$56,426		
b. Electricity - In House	\$0	\$3	\$8	\$11		
c. Heat - Purchased Steam/Water	\$0	\$6,411	\$16,627	\$23,038		
d. Heat-In House Generated Steam/Water	\$1,790	\$1,501	\$5,670	\$8,961		
e. Water Plants & Systems	\$236	\$733	\$5,367	\$6,336		
f. Sewage Plants & Systems	\$272	\$884	\$3,896	\$5,052		
g. Air Conditioning & Refrigeration	\$91	\$78	\$2,220	\$2,389		
h. Other	\$916	\$2,215	\$1,834	\$4,985		
4. Other Engineering Support	\$12,052	\$93,021	\$5,158	\$110,231		
a. Services	\$7,270	\$82,660	\$474	\$90,404		
b. Admin & Overhead	\$4,782	\$6,243	\$644	\$11,669		
c. Rentals, Leases & Easements	\$0	\$4,118	\$4,040	\$8,158		
Total Active Installations	\$30,645	\$451,410	\$156,812	\$638,867	\$675,307	
Inactive Installations						
Grand Total	\$30,645	\$451,410	\$156,812	\$638,867	\$675,307	

Instruction:

- (1) Complete for each O&M RPTD appropriation and provide applicable program element numbers.
- (2) Cost data to reflect obligations.
- (3) Data required for past, current and budget years. Definitions to be in accordance with DoD Instruction 4165.58

1

Defense Health Program Appropriation
FY 1999 Antended Budget Estimate
Real Property Maintenance Activities

DOD Component: DIAFP

Appropriation:

Program Element Numbers:

FY 1998

Date:

Operations & Maintenance Costs (\$000)

Functional Category at Work Functions	Civilian Personnel	Contracts	Other	Total	Military Personnel	\$0	BMAR
Active Installations							
1. Maintenance & Repair							
a. Utilities							
b. Other Real Property	\$2,210	\$14,082	\$1,487	\$17,779	\$6,892		
(1) Buildings	\$22,400	\$219,307	\$55,448	\$297,155	\$810,223		
(2) Other Facilities	\$17,987	\$211,615	\$54,672	\$284,274	\$803,026		
(3) Pavements	\$3,464	\$982	\$300	\$4,836	\$672		
(4) Land	\$92	\$3,128	\$23	\$3,543	\$6,525		
(5) Railroad Trackage	\$857	\$3,282	\$63	\$4,502	\$0		
2. Minor Construction	\$0	\$0	\$0	\$0	\$0		
3. Operation of Utilities	\$3,555	\$21,480	\$92,514	\$117,549			
a. Electricity - Purchased	\$4	\$12,851	\$44,905	\$57,760			
b. Electricity - In House	\$0	\$15	\$8	\$23			
c. Heat - Purchased Steam/Water	\$0	\$1,036	\$25,574	\$26,610			
d. Heat-In House Generated Steam/Water	\$2,318	\$4,678	\$8,104	\$15,100			
e. Water Plants & Systems	\$252	\$1,008	\$5,644	\$6,904			
f. Sewage Plants & Systems	\$260	\$976	\$4,110	\$5,346			
g. Air Conditioning & Refrigeration	\$94	\$98	\$2,238	\$2,430			
h. Other	\$627	\$818	\$1,931	\$3,776			
4. Other Engineering Support	\$12,424	\$104,213	\$4,362	\$120,999			
a. Services	\$6,556	\$92,612	\$589	\$99,757			
b. Admin & Overhead	\$5,040	\$7,598	\$652	\$13,300			
c. Rentals, Leases & Easements	\$828	\$4,003	\$3,111	\$7,942			
Total Active Installations	\$40,935	\$399,832	\$154,121	\$594,888	\$817,115		
Inactive Installations							
Grand Total	\$40,935	\$399,832	\$154,121	\$594,888	\$817,115		

Instruction:

(1) Complete for each O&M JRPND appropriation and provide applicable program element numbers.

(2) Cost data to reflect obligations.

(3) Data required for past, current and budget years. Definitions to be in accordance with DoD Instruction 4165.58

2

**Defense Health Program Appropriation
FY 1999 Amended Budget Estimate
Rent Property Maintenance Activities**

DoD Component: DHP
Appropriation:
Program Element Numbers:

Date:

FY 1999

Operations & Maintenance Costs (\$000)

Functional Category at Work Functions	R&I	Civilian at Personnel	Contracts	Other	Total	Military Personnel	\$0	BMAR
Active Installations								
1. Maintenance & Repair	\$25,025	\$227,082	\$58,092	\$320,199				\$956,465
a. Utilities	\$2,249	\$14,106	\$1,507	\$17,862				\$6,108
b. Other Real Property	\$22,776	\$222,976	\$56,385	\$302,337				\$930,357
(1) Buildings	\$18,283	\$215,295	\$55,792	\$289,370				\$943,802
(2) Other Facilities	\$3,531	\$990	\$4,918					\$599
(3) Pavements	\$94	\$3,408	\$24	\$3,526				\$5,956
(4) Land	\$868	\$3,283	\$172	\$4,523				\$0
(5) Railroad Trackage	\$0	\$0	\$0	\$0				\$0
2. Minor Construction	\$353	\$41,373	\$316	\$42,042				\$0
3. Operation of Utilities	\$3,618	\$21,928	\$115,772	\$141,318				
a. Electricity - Purchased	\$4	\$13,224	\$67,461	\$80,639				
b. Electricity - In House	\$0	\$15	\$8	\$23				
c. Heat - Purchased Steam/Water	\$0	\$911	\$26,022	\$26,933				
d. Heat-In House Generated Steam/Water	\$2,246	\$4,810	\$8,264	\$15,320				
e. Water Plants & Systems	\$257	\$1,029	\$5,760	\$7,046				
f. Sewage Plants & Systems	\$355	\$1,008	\$4,273	\$5,636				
g. Air Conditioning & Refrigeration	\$96	\$99	\$2,240	\$2,435				
h. Other	\$660	\$832	\$1,744	\$3,236				
4. Other Engineering Support	\$12,085	\$104,161	\$6,513	\$122,759				
a. Services	\$3,390	\$68,467	\$1,383	\$95,740				
b. Admin & Overhead	\$6,195	\$10,524	\$919	\$17,638				
c. Rentals, Leases & Easements	\$0	\$5,170	\$4,211	\$9,381				
Total Active Installations	\$41,081	\$404,544	\$180,593	\$626,318				\$956,465
Inactive Installations								
Grand Total	\$41,081	\$404,544	\$180,593	\$626,318				\$956,465

Instruction:

- (1) Complete for each O&M RPM/D appropriation and provide applicable program element numbers.
- (2) Cost data to reflect obligations.
- (3) Data required for past, current and budget years. Definitions to be in accordance with DoD Instruction 4165.38

BACKLOG OF MAINTENANCE AND REPAIR (BMAR) OF REAL PROPERTY

DoD Component:
Appropriation:

	FY97	FY98	FY99
A. Backlog - Beginning Of Year	595,640	684,828	819,918
(Backlog Carried Forward From Prior Years)	587,536	675,307	817,115
(Minus Backlog More Than Four Years Old)	4,309	4,301	5,347
(Adjusted Backlog Carried Forward)	583,227	671,006	811,768
(Inflation Adjustment)	12,413	13,822	14,552
(Foreign Currency Revaluation)	0	0	0
B. Requirements:	445,796	447,221	456,746
(Recurring Maintenance & Repair)	235,761	246,035	248,367
(Major Repair Projects)	176,675	164,920	169,205
(Backlog Deterioration)	33,360	36,266	39,174
C. Total Requirements (A + B)	1,041,436	1,132,049	1,276,664
D. Program Adjustments:	366,129	314,934	320,199
(Direct Program Funding)	366,129	314,934	320,199
(Funds Migration From Other Program Areas)	0	0	0
(Net Other Adjustments) a/	-12,882	-14,847	-7,161
E. Backlog - End Of Year (C - D) b/	675,307	817,115	956,465
F. Percent BMAR Change (E / A)	13%	19%	17%

a/ Net other adjustments - Projects dropped from BMAR program, project cost changes, new BMAR projects added, non-qualifying unfinanced work, other changes. Attached a footnote highlighting the major items reflected in the estimate.

b/ BMAR is defined as the total maintenance and repair which remains as a verified firm requirement that was not started during the fiscal year due to lack of resources.

Defense Health Program Appropriation
FY 1999 Amended Budget Estimates
Operation & Maintenance Costs
Real Property Maintenance and Minor Construction Projects
(HISTORIC BUILDING COSTS)

DOD Component: DHP
Appropriation: O&M

	FY 1997	FY 1998	FY 1999
HISTORIC BUILDINGS (Excluding Family Housing)			
A. No. of Facilities	17	17	17
B. Minor Construction	155	160	165
C. Major Repair (projects costing over \$25,000.00)	2,647	2,403	2,475
D. Recurring Maintenance (projects costing \$25,000.00 or under)	655	667	680
Grand Total	3,457	3,230	3,320

Defense Health Program Appropriation
FY 1999 Amended Budget Estimates
Real Property Maintenance Activities
Major Repair/Major Repair With Concurrent Minor Construction Projects
(Costing more than \$500,000.00)

FY 1997	State	Location/Installation	Project Title	(\$000) Cost
	AK	Eielson AFB (PACAF)	Repair Roof	911
	AZ	Bliss Army Hospital	Replace Roof, Bldg 45001	800
	CA	Edwards AFB (AFMC)	Replace Air Handler Units (AHU)	635
	CA	NH CPEN	Repairs to Air Conditioning System, Bldg. H-100	1165

Justification: Remove and salvage the insulation and pavers from existing inverted roofing membrane assembly. Remove and scrap the existing membrane and replace with membrane and install new pavers where possible.

Justification: Repair/replacement for amelioration of health, safety, environmental, or JCAHO impacts to critical systems.

Justification: Repair by replacement of eight AHU's for the hospital. Includes electrical upgrade to provide direct digital controls, electrical load center, new ductwork, selective demolition, and asbestos abatement. Provides temporary air conditioning during construction. The existing AHU's are over 30 years old and well beyond their useful life expectancy. The current AHU's fail constantly and require excessive repair work.

Justification: Phase II. Repair by replacement needed to HVAC system by replacing with an energy efficient system. Repairs needed frequently to deteriorating existing system. Adversely affecting mission, safety.

Defense Health Program Appropriation
FY 1999 Amended Budget Estimates
Real Property Maintenance Activities
Major Repair/Major Repair With Concurrent Minor Construction Projects
(Costing more than \$500,000.00)

<u>FY 1997</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
CA	NMC SDIEGO	Upgrade Secondary Electrical Wiring (BEQ), Bldg. 26	619
		<p><u>Justification:</u> Repair by replacement to the wiring system. The secondary electrical wiring system is antiquated, no longer meeting students needs for computers and other modern electrical equipment. There is only one receptacle per room. Occupants run extension cords and/or utilize multiple outlet adapters in order to operate equipment and appliances, in violation of NFPA and NEC standards. Upgrading the secondary electrical wiring system will correct these deficiencies.</p>	
CA	NMC SDIEGO	Repair Parking Structure, R16-95, Bldg. 21	750
		<p><u>Justification:</u> Repairs required to this post tensioned parking structure. Showing signs of potential major structural problems. Tension sheaths are worn through in several locations. Also, due to either seismic activity and/or soil erosion over the years, seismic joints are reaching their limit of expansion.</p>	
CA	NMC SDIEGO	Retrofit Fire Protection Sprinkler Heads, R4-96, Bldg. 1	749
		<p><u>Justification:</u> Repair by replacement to approximately 16,250 fire sprinkler heads throughout building 1 with quick response type heads. The new quick response sprinkler heads will eliminate the requirement of the overhead duct detectors. This will also result in a tremendous cost reduction within the sprinkler head maintenance package..</p>	

Defense Health Program Appropriation
FY 1999 Amended Budget Estimates
Real Property Maintenance Activities
Major Repair/Major Repair With Concurrent Minor Construction Projects
(Costing more than \$500,000.00)

FY 1997	State	Location/Installation	Project Title	(\$000)	Cost
	CA	NMC SDIEGO	Replace Windows (BEO), R3-96, Bldg. 26		863
			<u>Justification:</u> Project will replace 30 year old windows throughout Building 26 (Bachelor Enlisted Quarters) with new sound dampening windows. Approximately 15 percent of them are broken and repair parts are difficult or impossible to find. Other windows are showing signs of wear and tear.		
	CA	Travis AFB (AMC)	Repair HVAC System	1,000	
			<u>Justification:</u> Repair, test, and balance an aging HVAC system throughout the medical facility.		
	CU	NH GITMO	Mechanical Repairs (HVAC), R1-96, Bldg. H1	975	
			<u>Justification:</u> Repairs to HVAC, plumbing, electrical systems. These deteriorated, failing, and inefficient systems are currently in dire need of major repairs.		
	DE	Dover AFB (AMC)	Repair Care Provider Center	950	
			<u>Justification:</u> Repair mechanical, electrical, plumbing of the center that houses the following clinics, substance abuse, mental health, family advocacy and the demand reduction office.		
	DC	AFIP	Repair BL3, Lab, Bldg 54	500	
			<u>Justification:</u> Repair/replacement for amelioration of health, safety, environmental, or JCAHO impacts to critical systems.		

Defense Health Program Appropriation
FY 1999 Amended Budget Estimates
Real Property Maintenance Activities
Major Repair/Major Repair With Concurrent Minor Construction Projects
(Costing more than \$500,000.00)

FY 1997	Location/Installation	Project Title	(\$000) Cost
DC	WRAMC	Correct Life Safety Deficiencies--Phase I	2,500
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, environmental, or JCAHO impacts to critical systems	
DC	Bolling AFB (11th Wing)	Repair HVAC/Install DDC System	650
		<u>Justification:</u> Repair the existing heating, ventilation and air conditioning systems and install direct digital control system in building 1300.	
FL	NH JAX	Repair Air Handling Unit #4, R1-96, Bldg. 2080	1,196
		<u>Justification:</u> Repair by replacement to the existing air handling unit. This air handling unit (AHU) is the original built equipment, constructed in 1967. The existing air handling unit has reached the end of its useful life. The system has become unreliable and is highly inefficient. The unit shows significant signs of corrosion and deterioration.	
FL	NH PNCLA	Laboratory Renovation, R1-97, Bldg. 2268	503
		<u>Justification:</u> Repairs necessary to existing laboratory in order to meet current standards and life safety codes. Existing lab was constructed in 1976 as part of the original hospital. Demand for services is greater than anticipated and the original facility is unable to adequately meet the demands of changing technology. Current situation adversely affects production.	

Defense Health Program Appropriation
FY 1999 Amended Budget Estimates
Real Property Maintenance Activities
Major Repair/Major Repair With Concurrent Minor Construction Projects
(Costing more than \$500,000.00)

FY 1997	State	Location/Installation	Project Title	(\$000) Cost
	GA	EAMC	Clinical Investigation Lab Renewal <u>Justification:</u> Repair/replacement for amelioration of health, safety, environmental, or JCAHO impacts to critical systems	1,200
	GA	EAMC	Repair Endoscopy Suite <u>Justification:</u> Repair/replacement for amelioration of health, safety, environmental, or JCAHO impacts to critical systems	900
	GA	EAMC	Repair Ward <u>Justification:</u> Repair/replacement for amelioration of health, safety, environmental, or JCAHO impacts to critical systems	930
	GA	Winn Army Hospital	Replace Electrical Breakers <u>Justification:</u> Repair/replacement for amelioration of health, safety, environmental, or JCAHO impacts to critical systems	720
	GE	Pulaski Bks	Renewal of Dental Clinic <u>Justification:</u> Repair/replace because of impact to Mission of Operations.	2,900

Defense Health Program Appropriation
FY 1999 Amended Budget Estimates
Real Property Maintenance Activities
Major Repair/Major Repair With Concurrent Minor Construction Projects
(Costing more than \$500,000.00)

<u>FY 1997</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
State			
GE	Ramstein AB (USAFE)	Repair aeromedical staging facility	2,000
		<u>Justification:</u> Project will provide much needed life safety upgrades and expand floor space to accommodate 30 bed spaces. The existing space cannot support operational requirements.	
GU	NH GUAM	Replace Elevators, R1-95, Bldg. 1	1,942
		<u>Justification:</u> Repair by replacement to deteriorating, unreliable elevator. Elevator is in need of major overhaul. Constant repairs to the elevator makes the elevator unavailable for use.	
	GU	Replace Air Conditioning and Refrigeration Equipment, R2-94, Bldg. 1	1,099
		<u>Justification:</u> Repair by replacement to the existing air conditioning and refrigeration systems with an environmentally conforming type air conditioning and refrigeration system. Current systems are using Freon 11 and 12 which are considered hazardous substances due to toxic vapors that they emit.	
HI	Tripler	Duct Cleaning--Phase II	996
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, environmental, or JCAHO impacts to support functions.	

Defense Health Program Appropriation
FY 1999 Amended Budget Estimates
Real Property Maintenance Activities
Major Repair/Major Repair With Concurrent Minor Construction Projects
(Costing more than \$500,000.00)

FY 1997 State	Location/Installation	Project Title	(\$000) Cost
HI	Tripler	Upgrade Fire Sprinkler System, Bldg. 1A	1,100
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, environmental, or JCAHO impacts to support functions..	
HI	Tripler	Repair Bldg 686, Schofield Barracks	2,850
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir, or JCAHO impacts to support functions	
HI	Tripler	Repair Bldg 685, Schofield Barracks	2,875
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir, or JCAHO impacts to support functions	
IL	Scott AFB (AMC)	Emergency Power Generator System	929
		<u>Justification:</u> Replace an aging emergency power generator system that has reached its life expectancy.	
IL	Scott AFB (AMC)	Life Safety Code Deficiencies	504
		<u>Justification:</u> Repair numerous life safety code deficiencies in the Medical Center.	

Defense Health Program Appropriation
FY 1999 Amended Budget Estimates
Real Property Maintenance Activities
Major Repair/Major Repair With Concurrent Minor Construction Projects
(Costing more than \$500,000.00)

<u>FY 1997</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
IL	Scott AFB (AMC)	Upgrade Elevators	590
		<u>Justification:</u> Repair and upgrade aging elevators in the Medical Center.	
IL	NH GLAKES	Mechanical Repairs (Med/Den Clinic), R1-92, Bldg. 2378	600
		<u>Justification:</u> Repairs to HVAC, plumbing, electrical and lighting systems. The cooling equipment has exceeded its useful life expectancy and is beyond economical repair. The building's plumbing and HVAC piping insulation is either loose, missing or environmentally unsafe in most areas. The electrical and lighting systems will be replaced to meet current requirements for safe and health operations.	
IT	Aviano AB (USAFAF)	Dental Expansion	797
		<u>Justification:</u> Renovate 2nd floor building 121 for dental operations. The project is under design and will provide additional DTR's for the overseas DoD dependent dental care program.	
JA	Misawa AB (PACAF)	Paint Interior of Hospital Building	500
		<u>Justification:</u> Paint designated interior rooms with semi-gloss enamel paint. Existing latex paint is stained and can not be cleaned.	
JA	Yokota AB (PACAF)	Electrical Repair	2,205
		<u>Justification:</u> Repair electrical systems throughout the facility to comply with NFPA standards.	

Defense Health Program Appropriation
FY 1999 Amended Budget Estimates
Real Property Maintenance Activities
Major Repair/Major Repair With Concurrent Minor Construction Projects
(Costing more than \$500,000.00)

<u>FY 1997 State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
JA	Yokota AB (PACAF)	Life Safety Code Upgrades	1,450
		<u>Justification:</u> Repairs to comply with current NFPA standards. Install sprinklers, upgrade existing corridors, replace smoke dampers, replace fire doors, replace fire alarm systems, install humidity control system, modify isolation rooms to meet OSHA standards, repair plumbing, structural, medical gas systems and miscellaneous mechanical repairs.	
JA	NH OKI	Replace HVAC System (Phase I), Rt-93(1), Bldg. 6000	1,160
		<u>Justification:</u> Phase I. Repair by replacement of entire (1950's vintage) deteriorating heating, ventilation, and air conditioning system (HVAC). The HVAC system is presently not air-balanced, which affects compliance to room pressurization criteria, indoor air quality, as well as the overall system performance. For cooling, high room humidifies have resulted in dew point condensation with resulting dampness, mildew and fungus growth, odors, accelerated corrosion and deterioration of medical equipment.	
KY	Blanchfield Army Hospital	Replace Roof on Hospital	1,743
		<u>Justification:</u> Repair/replace because of impact to mission of operations	
KO	Kunsan AB (PACAF)	Upgrade Mechanical Electrical Systems	598
		<u>Justification:</u> Replace two air handling units, revise HVAC controls correct code deficiencies, replace fire detection and alarm systems, upgrade existing power distribution system.	

Defense Health Program Appropriation
FY 1999 Amended Budget Estimates
Real Property Maintenance Activities
Major Repair/Major Repair With Concurrent Minor Construction Projects
(Costing more than \$500,000.00)

<u>FY 1997</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
KO	Osan AB (PACAF)	Repair and Replace Operating Room Air Handling Units, Repair HVAC Controls	500
		<u>Justification:</u> Replace single air handling unit with two air handling units for the operating suite and recovery room. Repair damage in an air handling unit which currently is creating problems in airflow, balance air flow in entire hospital to meet code standards.	
LA	Bayne-Jones Army Hospital	Replace Air Handling Units	1,283
		<u>Justification:</u> Repair/Replacement for amelioration of health, safety, envir, or JCAHO impacts to critical systems	
LA	Bayne-Jones Army Hospital	Upgrade Heating & Cooling Capacity	1,055
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir, or JCAHO impacts to critical systems	
MD	Andrews AFB (AMC)	Renovate Bldg. 1075 Auditorium	703
		<u>Justification:</u> Upgrade and renovate the Auditorium.	
MD	Andrews AFB (AMC)	Phase I HVAC	4,000
		<u>Justification:</u> Phase I to upgrade the medical facility, replace aging HVAC system.	

Defense Health Program Appropriation
FY 1999 Amended Budget Estimates
Real Property Maintenance Activities
Major Repair/Major Repair With Concurrent Minor Construction Projects
(Costing more than \$500,000.00)

<u>FY 1997</u>	<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
	MD	NNMC Bethesda	Repair Expansion Joints (Parking Structure), R8-95, Bldg. 54	1,364
			<u>Justification:</u> Repair by replacement needed to all expansion joints from level two to five. This is a six story parking facility with parking capacity for approximately 928 vehicles. 110 guardrail posts have been significantly corroded and need repair. Remove and re-patch all delaminated concrete topping slab. Repairs also include 22 damaged column caps and concrete curbs.	
	MS	Columbus AFB (AETC)	Maintenance and repair of various areas within the medical facility	853
			<u>Justification:</u> Includes radiology department repairs, move of Bioenvironmental engineering office from outlying building to inside the medical facility and warehouse and kitchen renovations.	
	MS	Keesler AFB (AETC)	Life Safety Repairs	1,200
			<u>Justification:</u> Corrects numerous violations of NFPA Life Safety Code to include damages missing or sub-standard fire doors, dead-end corridors, missing or incorrect exit lights and mechanical problems in the HVAC system.	
	MS	Keesler AFB (AETC)	Hot Water System Repairs	812
			<u>Justification:</u> Corrects the following deficiencies: No check values on return pipes, hot water pipes are clogged with mineral deposits, mixing valves leak, fixtures often tap into return lines instead of supply lines, uninsulated pipes exist in main mechanical room and crawl spaces.	

Defense Health Program Appropriation
FY 1999 Amended Budget Estimates
Real Property Maintenance Activities
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<u>FY 1997</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
MS	Keesler AFB (AETC)	Replace Air Handlers Phased replacement	500
		Justification: Phased replacement project over four years to replace the aging air handlers within the medical center.	
MO	Gen. Leo. Wood Army Hosp	Fire Protection Upgrade	1,800
		Justification: Repair/replace to alleviate life safety impacts to operations.	
MO	Gen Leo. Wood Army Hosp	Repair ER	650
		Justification: Repair/Replacement for amelioration of health, safety, envir, or JCAHO impacts to critical systems	
MO	Gen Leonard Wood Army Hospital	Replace HVAC--Phase II	2,685
		Justification: Repair/replace to alleviate life safety impacts to support functions.	
MO	Gen Leo.Wood Army Hospital	Repair Steam Lines.	780
		Justification: Repair/replacement for amelioration of health, safety, environmental, or JCAHO impacts to critical systems	

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MO	Gen Leo. Wood Army Hospital	Repair Vet Clinic		765
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir, or JCAHO impacts to critical systems		
ND	Grand Forks AFB (AMC)	Replace HVAC		4,100
		<u>Justification:</u> Replace HVAC which has reached its life expectancy.		
ND	Grand Forks AFB (AMC)	Repair Interior Finishes		500
		<u>Justification:</u> Upgrade interior finishes within the hospital.		
OH	Wright-Patterson AFB (AFM/C)	Replace Domestic Water, Phase II		800
		<u>Justification:</u> Replace damaged water lines and install valves to various sections within the Medical Center.		
OH	Wright-Patterson AFB (AFM/C)	Chiller Replacement		660
		<u>Justification:</u> Replace two 1200-ton Chillers with Non-CFC Chillers. Project will encompass a system which uses a more energy efficient means such as natural gas and steam powered chillers. The Medical Center is currently using CFC chillers.		

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OK	Tinker AFB (AFMC)	Repair/Replace Roof, Bldg. 5801	760
		Justification: The leaking roof has become a concern for the medical facility. Numerous roof leaks throughout the building has caused damages to the ceiling, equipment and furniture. The base maintenance shop has performed a temporary seal and ceiling tile replacement eighteen times, however this effort has failed to prevent the roof from leaking.	
PR	NH ROOSRD	Correct Life Safety Code Deficiencies/Provide Sprinklers R2-96, Bldg. 1790	1,197
		Justification: This project provides a new sprinkler system for the 126,500 sf hospital and corrects several Life Safety Code deficiencies throughout the hospital.	
PR	NH ROOSRD	Replace AHU's 1/2 and Controls, R15-96, Bldg. 1790	3,360
		Justification: Repair by replacement to air handling units 1 and 2. System is inefficient and difficult to repair. Project will also replace the hospital HVAC control system and fire dampers..	
PR	NH ROOSRD	Replace AHU's 4, 6, 7, 8; R5-96, Bldg. 1790	4,715
		Justification: Repair by replacement the air handling units 4, 6, 7, and 8 and associated HVAC controls, ductwork, final filters, hot water piping, exhaust systems, seismic mounts and air balancing. The replacement will bring the mechanical systems up to code and provide an efficient system for the climate in Puerto Rico	

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	PR	NH ROOSRD	Correct NEC Deficiencies/Replace Lightning Protection R13-96, Bldg. 1790	931
	RI	NH NPT	Repairs and Alterations, RC1-95, Bldg. 43	4,150
	RI	NH NPT	Repairs and Alterations to Interior, RCE1-91(2), Bldg. 44	1,583

Justification: Repairs to correct National Electrical Code (NEC) deficiencies. Repairs include the lighting protection system, install grid system over the roof. Transformers located in the electrical rooms on the roof are not grounded according to the NEC. Hospital currently functions in violation of the NEC and NFPA regulations and puts patients and hospital personnel at risk on a daily basis.

Justification: Project is a whole building repair project which includes improvements to the exterior and interior spaces. Interior repairs include upgrading the electrical distribution system, heating system, hot and cold potable water systems, and fire sprinkler systems. All building systems are over 50 years old. Exterior repairs include repainting and sealing the exterior brick veneer.

Justification: Facility was constructed 1942. Interior repairs include replacing the elevator, the electrical distribution system, the heating system, the hot and cold potable water systems, the fire sprinkler and alarm systems, and interior finishes. All the major building systems are deteriorated, energy inefficient, and beyond their useful life.

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<u>FY 1997</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
<u>State</u>			
SC	NH CHASN	Replace Exterior Windows, R4-89, Bldg. NH-1	1,953
		<i>Justification:</i> Repairs required to stop deterioration to window wall joints where cracked and allows water penetration. Also, water penetration and mildew evident within mortar, bricks, and precast concrete panels. Adversely affects safety, morale.	
TX	NH CORPUS	Repair Portable Water Distribution, R1-96, Bldg. H100	627
		<i>Justification:</i> Repairs to deteriorated portable water lines. The potable water distribution lines are old and deteriorated. The frequency and cost of repairs is rising. Repairs require loss of water for most areas of the hospital until leaks are fixed. Continuing deterioration of the water lines, longer repair times have an adverse impact on patient care.	
TX	Sheppard AFB (AETC)	Sprinklers and Standpipes	1,052
		<i>Justification:</i> Install new sprinklers and standpipes to correct fire safety deficiencies in mechanical rooms.	
TX	Wilford Hall Med. Ctr (AETC)	Replace Elevators	800
		<i>Justification:</i> Replacement of aging elevator systems throughout the medical center; includes cars, cables and controls.	
TX	Wilford Hall Med. Ctr (AETC)	Replace Chillers	2,700
		<i>Justification:</i> Replacement of aging chiller system in total within the energy plant.	

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	TX	Wilford Hall Med. Ctr (AETC)	LDRP/NICU Project	6,300	
			<u>Justification:</u> Renovate the 5 th floor area of the medical facility for a modern labor delivery recovery room and neonatal intensive care unit project.		
	TX	Wilford Hall Med. Ctr (AETC)	Replace Multiple Air Handlers	1,500	
			<u>Justification:</u> Replaces four inefficient and aging air handler units to include the associated exhaust fans, and the cleaning of associated ducts.		
	TX	Darnall Army Hospital	Replace Electrical Wiring	670	
			<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir, or JCAHO impacts to critical systems		
	TX	WBAMC	Replace Boilers	1,650	
			<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir, or JCAHO impacts to critical systems		
	TX	WBAMC	Replace Cooling Towers	950	
			<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir, or JCAHO impacts to critical systems		

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TX	WBAMC	Replace Chillers	985
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir, or JCAHO impacts to critical systems	
TX	WBAMC	Upgrade Electrical Commercial Power	900
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir, or JCAHO impacts to critical systems	
TX	WBAMC	Replace Fire Alarm System	3,600
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir, or JCAHO impacts to critical systems	
VA	NH PT SVMH	Repair Exterior Stone, R6-96, Bldg. 1	1,065
		<u>Justification:</u> Repairs needed to the existing stone exterior. This historic building was built in 1827.	
VA	NMCL QUANT	Resurface Roads and Repair/Replace/Curbs/Sidewalks, R7-92	580
		<u>Justification:</u> Repairs are necessary to the roads surfaced with bituminous concrete which is showing reflective cracks in two directions. There is a build up of the pavement to the point that the curbing is no longer effective. Also, replacement of sidewalk section needed.	

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VA	McDonald Army Hospital	Ft Monroe Clinic Renewal	4,600
		Justification: Repair/replacement for amelioration of health, safety, envir, or JCAHO impacts to support functions	
VA	Ft Lee	Replace Clinic HVAC	1,127
		Justification: Repair/replacement for amelioration of health, safety, envir, or JCAHO impacts to support functions	
WA	McChord AFB (AMC)	Replace Heating System	830
		Justification: Replace and upgrade the heating systems in the clinic administration areas.	
	Total Minor Construction:	350	
	Total Repair and Maintenance	118,599	
	Total Active Installations:	118,949	
	Total Inactive Installations:	0	
	Grand Total:	118,949	

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FY 1998	Location/Installation	Project Title	(\$000) Cost
AZ	Luke AFB (ACC)	Asbestos Abatement	5,400
		Justification: Remove or encapsulate asbestos throughout the hospital prior to MILCON life safety repairs	
BRI	Lakenheath AB (USAFFE)	Add/Alter to existing Dental Clinic	2,700
		Justification: Renovates existing dental clinic, bldg. 743, to provide facility to meet the demand for the DoD overseas dependent dental care program. Project also adds 204 sq. meters for expansion of mission. Minor construction portion of project is less than \$500K. Project is coordinated with FY01 MILCON project.	
CA	Lakenheath AB (USAFFE)	Add/Alt Public Health Facility	715
		Justification: Repair existing facility, replace windows/doors and install fire alarm/detection, and construct 1500 square feet addition. Bring facility up to handicapped access standards. Minor construction portion of project is less than \$500K.	
	Beale AFB (ACC)	Replace Hospital Boilers	500
		Justification: The replacement of aging Boilers is necessary due to constant repair and repair parts are getting harder to obtain. The current boilers have reached their life expectancy	

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	CA	NH CPEN	Repair Interior, R7-93, Bldg. H100	1,000
			<u>Justification:</u> Repairs necessary to deteriorated interior of facility. Repairs include ceiling tile replacement, all vinyl wall covering, considerable plastering and painting of walls. Detimental to patient care effectiveness and overall morale.	
	CA	NMC SDIEGO	Replace Nurse Call System, R11-95, Bldg. 1H	1,483
			<u>Justification:</u> Repair by replacement to the entire existing system with a simple, reliable and modern nurse call system. The existing nurse call system is based on 1980's technology and repair/replacement parts are difficult, if not impossible to obtain. The unreliability of the system is impacting patient care.	
	CA	Travis AFB (AMC)	Phase I Upgrade Appearance of Medical Facility	4,300
			<u>Justification:</u> Phase I of the upgrading of the medical facility to incorporating repair, plaster, and paint the facility	
	CO	Air Force Academy	Repair Code Violations Phase I	526
			<u>Justification:</u> Correct life safety codes, fill firewall penetrations, extend fire suppression systems, abate asbestos in Beneficiary Services	
	CO	Evans Army Hospital	Veterinary Facility Renewal	3,030
			<u>Justification:</u> Repair/replacement to alleviate Life Safety impacts to operations.	

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State			
DC	WRAMC	Repairs to Pediatric Clinic	800
		<i>Justification:</i> Repair/replacement because of impact to mission of operations.	
DC	WRAMC	Repairs to Dental Clinic	1,650
		<i>Justification:</i> Repair/replacement because of impact to mission of operations.	
DC	WRAMC	Correct Life Safety Deficiencies--Phase II	3,000
		<i>Justification:</i> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems.	
DC	WRAIR	Renewal of Bldg. 500	2,200
		<i>Justification:</i> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems.	

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FL	Eglin AFB (AFM/C)	Replace Roof and Drain System	2,700
		Justification: Project includes construction of a new combination hip and gable standing-seam metal roofing systems over the existing flat built-up roofing systems. Included are lightning arresting system, external rainwater collection system, down spouts and connections to existing underground storm water drainage system. Existing roof has been patched and partially replaced several times over the past 20 years.	
FL	MacDill AFB (AMC)	Upgrade Electrical System	750
		Justification: Upgrade and improve the electrical service provided to the medical facility.	
GA	EAMC Eisenhower	Renewal of CIF Bldg.	1,000
		Justification: O&M project associated with MILCON project.	
GE	Ramstein AB (USAFFE)	Add/Alt Patient Movement Items Warehouse	981
		Justification: Construct addition to existing warehouse, repair interior to accommodate PMI in Europe. Minor construction portion of project is less than \$500K.	
GE	Spangdahlem AB (USAFFE)	Install Fire Rated Doors	591
		Justification: Install fire rated doors at Bitburg AB and Spangdahlem bldgs. 57, 67, 137, 16, and 175. Additional work will include sealing wall penetrations and adding exit lights to all facilities.	

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State			
GE	Wuerzburg	Renewal of Hospital Outpatient Clinic	7,000
		<i>Justification:</i> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems.	
HI	Tripler	Renewal of Bldg. 677, Schofield Barracks	3,800
		<i>Justification:</i> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems.	
IL	NH GLAKES	Historical Renovation, R6-90, Bldg. 1H	4,103
		<i>Justification:</i> Repairs necessary to this 87 year old facility. The exterior is deteriorating due to exposure to weather elements. Repairs and replacements include brickwork, tuckpointing, windows. Economical repair is not feasible due to antiquated parts that have not been made for many years. Propose to restore to the original appearance of the building. The work performed will be in compliance with criteria for an Historic District.	
IL	NH GLAKES	Repairs to Elec/Mech/Roof, R4-95, Bldg. 38H	1,553
		<i>Justification:</i> This building was built in 1946. Project will replace existing deteriorating hot and cold galvanized water lines and asbestos containing pipe insulation with copper water lines, and installation of backflow preventer, zone and shutoff valves. Steam radiator heating, partially central and window a/c unit system will be replaced by central HVAC system. Minor construction portion of project is less than \$500 K. Repair roof that is deteriorated and leaks.	

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State			
IL	Scott AFB (AMC)	Repair Facility Infrastructure Deficiencies	1,946
		<u>Justification:</u> Corrects critical mechanical plumbing, medical gas, and electrical deficiencies. Repairs or replaces air handling units, chiller cooling towers, condenser units, exhaust fans, sump pumps, domestic water and storm water drain piping, upgrades, controls to digital technology. Upgrades existing HVAC energy conservation management system to a digital distributed control network, includes asbestos abatement	
IL	Scott AFB (AMC)	Upgrade and Repair Bathroom	640
		<u>Justification:</u> Upgrade and repair bathroom to comply with Americans with Disabilities Act	
IL	Scott AFB (AMC)	Pharmacy Drive Through	500
		<u>Justification:</u> Construct a drive-through at the pharmacy	
JA	NH OKI	Replace HVAC System (Phase II), R-5-93(2), Bldg. 6000	3,365
		<u>Justification:</u> Phase II. Repair by replacement of entire (1950's vintage) deteriorating heating, ventilation, and air conditioning system (HVAC). The HVAC system is presently not air-balanced, which affects compliance to room pressurization criteria, indoor air quality, as well as the overall system performance. For cooling, high room humidifiers have resulted in dew point condensation with resulting dampness, mildew and fungus growth, odors, accelerated corrosion and deterioration of medical equipment.	

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State			
JA	NH OKI	Replace Windows, R2-93, Bldg. 6000	4,791
		<u>Justification:</u> This building is 40 years old. Some of the existing window glass has been broken and replaced with sheetmetal. Due to severe high humidity, salt-ladden atmosphere and frequent typhoons in the region, the existing window frames are corroded. Caulking has cracked and allows humid air to infiltrate, severely saturated moisture that damages the acoustical ceilings, wall paint, and delicate equipment. Adversely affects mission, morale, and safety.	
	JA	Yokota (PACAF) Repair/Upgrade Medical Facility	4,073
		<u>Justification:</u> Project repairs dental clinic casework, replace two hospital generators; replaces remote radiators for generators, established life safety branch, replaces fuel tanks, and replaces two air handling units.	
	KO	Osan AB (PACAF) Correct Building Systems Evaluation Discrepancies	950
		<u>Justification:</u> Install panel board bonding, tamper proof receptacles, move transformers, head wall receptacles, low level fuel sensors, alarms, Nurse call system, retro fire alarm, elevator repair and dental suction repair	
	KO	121st General Hospital Renewal of Cp Walker Health/Dental Clinic	3,500
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems.	

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	KS	Munson Army Hospital, Ft. Leavenworth	Repair Chiller Plant	990
			<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to non-critical systems.	
	KS	Munson Army Hospital, Ft. Leavenworth	Repair HVAC, Dental Clinic	840
			<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to non-critical systems.	
	KS	Munson Army Hospital, Ft. Leavenworth	Repair Mechanical Systems	750
			<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to non-critical systems.	
	MD	Andrews AFB (AMC)	Electrical System	900
			<u>Justification:</u> Survey and upgrade an aging electrical system	
	MD	Andrews AFB (AMC)	Replace Lighting System	700
			<u>Justification:</u> Upgrade and replace the lighting system in the medical facility campus	

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	MD	Andrews AFB (AMC)	Phase II HVAC System <u>Justification:</u> Phase II in the replacement of the HVAC system within the medical facility	4,300
	MD	NNMC Bethesda	Repairs to Recreation Area (gym/swimming pool), R2-94(1) Bldg. 23 <u>Justification:</u> Phase I. The existing systems are over 50 years old. Severe system deficiencies exist in the areas of safety, reliability and adequacy. The entire electrical system is also over 50 years old and needs total replacement. Existing plumbing and HVAC piping needs constant attention and repairs. The intention of this project is to correct HVAC controls and replace its piping, plumbing, piping and electrical distribution system.	1,000
	MD	NNMC Bethesda	Building 23 Renovation, R2-94(2), Bldg. 23 <u>Justification:</u> Phase II. The existing systems are over 50 years old. Severe system deficiencies exist in the areas of safety, reliability and adequacy. The entire electrical system is also over 50 years old and needs total replacement. Existing plumbing and HVAC piping needs constant attention and repairs. The intention of this project is to correct HVAC controls and replace its piping, plumbing, piping and electrical distribution system.	1,200

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MD	NNMC Bethesda	Repair/Upgrade Galley, R24-96, Bldg. 9	1,022
		<u>Justification:</u> Repair by replacement to include plumbing and electrical systems, wall coverings, painting, new ceilings and carpet and quarry tile. This facility is 17 years old and surfaces are deteriorating.	
MD	NNMC Bethesda	Replace Hot/Cold Water, Steam, Condensate Piping, R2-96, Bld 1	800
		<u>Justification:</u> This project replaces all existing hot water, chilled water, steam, condensate and drainage piping in Building 1, floors 6 through 20. These pipes are over 40 years old and are in extremely poor condition. This project also involves removal of asbestos.	
MD	Meade Health Clinic	Health Clinic Renewal	5,000
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to support functions.	
MD	Meade Health Clinic	Replace Boilers	1,055
		<u>Justification:</u> Repair/replacement because of impact to mission of operations.	
MS	Keesler AFB (AETC)	Replace Air Handlers	1,100
		<u>Justification:</u> Phase II of replacement of air handlers that are beyond life expectancy	

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NC	NH CLEJ	Replace Energy Monitor/Control System, R2-89, Bldg. NH-100	1,260
		<i>Justification:</i> Repair by replacement of existing Energy Monitoring Control System with direct digital controls. Existing system is obsolete and overloaded. Failure of the computer systems and components is imminent and existing JC-84 system replacement parts are non-existent.	
NC	WAMC	Renewal of LaFlame Dental Clinic <i>Justification:</i> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to support functions.	1,000
ND	Grand Forks AFB (AMC)	Construct Multi Purpose Area	500
		<i>Justification:</i> Roof the 3500 sq ft of open ambulance bay which will provide a multi-purpose conference area that can handle full Medical Group Staff Meetings	
NM	Kirtland AFB (AFMC)	Repair Dental Clinic Settlement	565
		<i>Justification:</i> Settling has occurred on the southeast side of the Dental Clinic. The project includes the evaluations of the settlement and taking the appropriate repair action. Settling will continue to occur and cause cracks in the facility floor and walls without the project taking place.	

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State			
NM	Kirtland AFB (AFMC)	Repair Medical Clinic Settlement	515
		Justification: Evaluate settling of Bldg. 1209, east side. Southeast corridor linking of the AF ambulatory surgery unit with the VA bridge. Southeast corridor has settled and has two sections of hallway that are sinking. This has created a ledge of approximately one inch or more. This has become a tripping hazard for patients, staff, and visitors and also has created a difficulty transporting post operative patients.	
OK	Altus AFB (AETC)	Repair Walls in Medical Facility	528
		Justification: Needed repairs to the walls are required in various wall penetrations and the need to replace outdated and worn wall coverings	
	Tinker AFB (AFMC)	Repair Dental Facilities	581
		Justification: The Dental Clinic requires aesthetic and ergonomic dental cabinetry with smooth easy to clean surfaces to facilitate asepsis. Complete mechanical upgrade of plumbing system, new floor tiles and wall finishing. The office areas need modification to be able to treat handicapped in accordance with American with Disabilities Act. (ADA)	
OK	Tinker AFB (AFMC)	Replace Controls/Upgrade HVAC	516
		Justification: The existing HVAC systems are obsolete and in critical shape. Most of the existing HVAC systems range in age from 40 years old to some new single loop systems installed within the last year. The HVAC systems have been patched and pieced together from various parts just to keep them running.	

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PA	Carlisle Bks	Health Clinic--Conjunctive Funding	3,500
		<u>Justification:</u> O&M project associated with MILCON project.	
SC	NH Beaufort	Upgrade Fire Sprinkler System, R5-94, Bldg. 1	3,000
		<u>Justification:</u> Install 3,350 automatic fire sprinkler heads and an electric fire pump. The facility will be in compliance with the National Fire Protection Association Life Safety Code.	
SC	NH Beaufort	Remove Asbestos, R8-94, Bldg. 1	2,648
		<u>Justification:</u> This project will remove all asbestos containing materials in the building which pose a health hazard to the hospital occupants.	
TN	NH Millington	Construct/Repair (NSA Memphis Clinic), RC1-96, Bldg. S771	2,854
		<u>Justification:</u> As a result of the scheduled closure of the existing NAVHOSP Millington and change in the Naval Support Activity mission, the Basic Facility Requirements (BFR) for subject project must be accommodated for this facility. Repairs are necessary to the HVAC, plumbing, and mechanical systems. Additional repairs include; floor, roof, structural. Minor construction - \$248K.	

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(Costing more than \$500,000.00)

FY 1998	State	Location/Installation	Project Title	(\$000) Cost
	TX	NH CORPUS	Emergency Electrical Distribution, Reconfiguration, Bldg. H100	862
			<u>Justification:</u> Project will redirect electrical services into critical and non-critical branches to comply with NAVFAC DM 33.02 and NFPA 99 requirements.	
	TX	NH CORPUS	Elevator System Upgrade, R6-96, Bldg. H100	557
			<u>Justification:</u> This project will repair deteriorating elevators located in the hospital. Replace outdated controls, re-rope all elevators, and replace dilapidated hardware which will allow smoother operation and greater reliability of these units. Repairs will enhance patient care and support.	
	TX	NH CORPUS	Replace Chilled Water Lines, R3-96, Bldg. H100	648
			<u>Justification:</u> The chilled water distribution lines are old and deteriorated. Repairs require increased down time due to poor condition of chilled water pipes. Continuing deterioration of the chilled water lines and longer repair times have an adverse impact on patient care.	
	TX	Dyess AFB (ACC)	Clinic Alteration Project	5,100
			<u>Justification:</u> A major renovation project is taking place to update an aging clinic. Numerous projects will be taking place to bring the clinic support area up to code and modernization	
	TX	Sheppard AFB (AETC)	Replace Room Induction Units	579
			<u>Justification:</u> Replace room induction units to provide adequate heating and cooling within medical facility	

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<u>FY 1998 State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
TX	Sheppard AFB (AETC)	Connect Emergency Power	531
		<u>Justification:</u> Connect emergency power to eight air handlers, cooling tower, and chillers	
TX	Wilford Hall Med. Center (AETC)	Life Safety Upgrade	700
		<u>Justification:</u> During a recent study numerous life safety deficiencies were noted within the medical center. Project will repair various discrepancies noted in the study and ensure compliance with Life Safety Codes.	
TX	Wilford Hall Med. Center (AETC)	Replace Switchgear	1,600
		<u>Justification:</u> Replace 15KV switch and fuse switchgear, replace 2 transformers, substation and conductors in total energy plant	
TX	Wilford Hall Med. Center (AETC)	Replace Material Handling Unit	6,000
		<u>Justification:</u> Replace automated material handling unit with a guided cart system. Replace cart washers and upgrade associated elevators.	
TX	Wilford Hall Med. Center (AETC)	Alter Psychiatry Clinic Bldg. 1354	600
		<u>Justification:</u> Complete interior upgrade of bldg. 1354 to include handicap access.	

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FY 1998	State	Location/Installation	Project Title	(\$000) Cost
	TX	BAMC	Repair TMC, Bldg. 1279	1,100
			<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to non-critical systems.	
	TX	WBAMC	Repair Primary Care Bldg. 2496	675
			<u>Justification:</u> Repair/replacement because of impact to mission of operations.	
	TX	WBAMC	Upgrade Operating Room	1,990
			<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems.	
	TX	WBAMC	Upgrade Hospital Lab	3,950
			<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems	
	TX	WBAMC	Upgrade Pulmonary Clinic	750
			<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems	

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<u>FY 1998</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
WA	Fairchild AFB (AMC)	Replace Roof Building 9000	1,000
		<u>Justification:</u> Current roof has reached its life expectancy and is in need of replacement	
WA	Fairchild AFB (AMC)	Replace Roof Dental Clinic	700
		<u>Justification:</u> Dental Clinic Roof has reached it life expectancy and is in need of replacement	
WA	Fairchild AFB (AMC)	Passenger Elevators	500
		<u>Justification:</u> Replace and upgrade two passenger elevators	
Total Minor Construction:		5,644	
Total Repair and Maintenance		128,869	
Total Active Installations:		134,513	
Total Inactive Installations:		0	
Grand Total:		134,513	

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<u>FY 1999 State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
CA	Beale AFB (ACC)	Hospital Plumbing <u>Justification:</u> The current plumbing system is beyond life expectance and is in need of replacement. Current plumbing system is constantly under repair. Project will be coordinated with FY02 MILCON project.	1,500
CA	Travis AFB (AMC)	Phase II Upgrading the Med. Facility Appearance <u>Justification:</u> Phase II of repair, plaster, and painting the Medical Facility	4,000
CA	Travis AFB (AMC)	Construct HAZMAT Accumulation Point <u>Justification:</u> An accumulation point is needed to safely store HAZMAT materials use throughout the medical facility	500
CO	Air Force Academy	Repair Code Violations <u>Justification:</u> Phased project to correct life safety codes, fill firewall penetrations, update fire suppression system, abate asbestos in beneficiary services.	501
CU	GITMO	Emergency Clinic Renovation, R6-96, Bldg. H1 <u>Justification:</u> Repairs include plumbing, HVAC, and electrical to old, deteriorating systems. Emergency clinic will meet current criteria and standards with the proposed renovations included in subject project. Patient care effectiveness is currently being adversely affected.	629

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<u>FY 1999</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
CU	NH GITMO	Surgery/Delivery/CSS/Nursery Renovation, R2-96, Bldg. H1	927
		<u>Justification:</u> Repairs to subject areas include correction to the problem of inadequate heating, ventilation, air conditioning, humidity control, lighting, electrical power and medical gases. Also correct the problem of no separation of dirty and sterile supplies in the Central Sterilization area that serves Surgery, Delivery and the entire hospital. Renovations to be accomplished in order to meet current standards and life safety codes.	
DC	WRAMC	Correct Life Safety Deficiencies--Phase III	3,000
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems.	
DC	WRAMC	Emergency Generator - Day Tank	800
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems.	
DC	WRAMC	Repair OR/Amb Surgery	2,000
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems.	

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<u>FY 1999 State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
DC	WRAMC	Repairs to Restrooms	1,150
		Justification: Repair/replacement because of impact to mission of admin functions.	
FL	NH JAX	Renovate 8th Floor, RCI-95, Bldg. 2080	939
		Justification: Repairs to correct the space utilization problem. This activity is a teaching hospital. Project will provide spaces for training, teaching, and administrative functions. Currently, there are no appropriately sized classrooms or conference rooms to accommodate training evolutions. Adversely affects training and morale.	
FL	NH JAX	Repair Emergency Dept., RCI-97, Bldg. 2080	1,765
		Justification: Project repairs existing Emergency Department by replacing deteriorated walls, floors, and ceilings with new components, redesigned to provide better flow of patients and providers. The existing infrastructure is in a deteriorated state and in need of replacement. This project will bring the Emergency Department to current standards and life safety codes	
GA	Martin Army Hospital, Ft. Benning	Replace Air Handler Units	805
		Justification: Repair/replacement because of impact to mission of support functions.	

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FY 1999	Location/Installation	Project Title	(\$000) Cost
GE	Heidelberg	Renewal of Clinic	4,000
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems	
GU	Andersen AB (PACAF)	Correct Building System Evaluation Deficiencies	900
		<u>Justification:</u> Bring up to code standards the mechanical and electrical systems. Repair plumbing and structural infrastructure.	
HI	Tripler	Repair Bldg. 684, Schofield Barracks	2,900
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems.	
HI	Tripler	Repair Bldg. 681, Schofield Barracks	1,700
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems.	
HI	Tripler	Repair Gutter and Roof Overhang	636
		<u>Justification:</u> Repair/replacement because of impact to mission of support functions.	

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FY 1999 State	Location/Installation	Project Title	(\$000) Cost
HI	Tripler	Repair Bldg. 687, Schofield Barracks	1,250
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems.	
HI	Tripler	Ventilation for Electrical Room	848
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems.	
JA	NH OKI	Replace HVAC System (Phase III), R5-93(3), Bldg. 6000	1,476
		<u>Justification:</u> Repair by replacement of entire (1950's) vintage deteriorating heating, ventilation, and air conditioning system (HVAC). The HVAC system is presently not air-balanced, which affects compliance to room pressurization criteria, indoor air quality, as well as the overall system performance. For cooling, high room humidifies have resulted in dew point condensation with resulting dampness, mildew and fungus growth, odors, accelerated corrosion and deterioration of medical equipment.	
JA	Yokota AB (PACAF)	Life Safety Code Upgrades	2,400
		<u>Justification:</u> Install full sprinkler coverage, replace fire alarms, repair penetrations above ceiling, and correct code deficiencies in duct penetrations and dampers. Install exit lights with battery	

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<u>FY 1999</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
IL	Scott AFB (AMC)	Repair Facility Infrastructure Deficiencies	2,301
		<u>Justification:</u> Buildings 1529 and 1530, main hospital and aeromedical staging facility. Corrects urgent mechanical, gas, plumbing, and electrical deficiencies. Replaces all electrical panelboards, branch wiring, several air handlers, and two 35-ton chillers. Replaces hot water generators, fire suppression sprinkler heads and ceiling grid and tiles.	
IT	Vicenza	Health Clinic Renewal	4,500
		<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to support functions.	
KY	Ireland Army Hospital, Ft. Knox	Replace Condensation Lines	1,900
		<u>Justification:</u> Repair/replacement because of impact to mission of support functions.	
MD	Aberdeen Proving Ground	Replace Clinic HVAC	856
		<u>Justification:</u> Repair/replacement because of impact to mission of support functions	
MD	Aberdeen Proving Ground	Replace Clinic Electrical System	910
		<u>Justification:</u> Repair/replacement because of impact to mission of support functions	

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FY 1999	Location/Installation	Project Title	(\$000) Cost
MD	Andrews AFB (AMC)	Phase III HVAC System	3,400
		<u>Justification:</u> Phase III to replace an aging HVAC System within the medical facility	
MD	NNMC Bethesda	Repair Roads, Basewide, R24-90, Bldg. 810	800
		<u>Justification:</u> The existing roads require extensive repairs at various locations. Project will provide new pavement to all damaged sections of paved areas.	
MD	NNMC Bethesda	Replace Wall Covering, R22-96, Bldg. 9	936
		<u>Justification:</u> This project will repair by replacement existing 18 year old wall covering at various locations throughout the hospital. Existing wall covering is torn, damaged and/or deteriorated due to wear and tear from hospital equipment and general usage from patients and staff.	
MD	NNMC Bethesda	Replace Singe Base and Hops., R32-96(2), Bldg. 1-10	750
		<u>Justification:</u> Phase II. Provides interior wayfinding signage in buildings 1-10 to aide customers and patients efficiently utilize the facilities. Signage systems will utilize latest electronic mapping aides.	

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FY 1999	Location/Installation	Project Title	(\$000) Cost
MD	NNMC Bethesda	Replace Signage Basewide	500
		<u>Justification:</u> Includes all exterior signage throughout the base. Emphasis will be given to primary locations within the base, namely, main entrances, hospital buildings, patient and public parking and all major structures within the base.	
MS	Keesler AFB (AETC)	Replace Air Handlers	500
		<u>Justification:</u> Phase III of replacement of air handlers that are beyond life expectancy	
MO	Ft. Leonard Wood	Repair Water Drain Lines Gen. Leo. Wood Army Hosp.	3,200
		<u>Justification:</u> Repair/replacement because of impact to mission of operations.	
RI	Newport	Repair Roads, R1-93	525
		<u>Justification:</u> The current state of repair of the roads is rapidly deteriorating and will continue to degrade until major maintenance is performed. Pot hole patching can no longer be considered viable maintenance for the problem areas.	

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<u>FY 1999</u>	<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
	SC	NH Beaufort	Replace Waste Drains, R8-96, Bldg. 1	572
	SC	NH Beaufort	Replace Electrical Subpanels, R10-96, Bldg. 1	531
	SC	NH Beaufort	Replace Plumbing Fixtures, R7-96, Bldg. 1	542

Justification: This project will replace the drain, waste, and vent piping throughout the facility including Y's and traps. The existing system is old, deteriorated and beyond its service life. The waste drains are an integral part of the drainage system and are essential for the well being of both the patients and administrative staff.

Justification: The project will replace the electrical subpanels throughout the hospital. The subpanels throughout the hospital. The subpanels are aged, bus bars corroded, and door trim covers are not bonded to cabinets. This project is in direct support of the activity's mission to provide adequate patient care and administration in the hospital.

Justification: This project will replace the outdated plumbing fixtures throughout the entire facility. The fixtures are corroded and tarnish has set in. Some of the fixtures date back to the 1940's. The plumbing fixtures have exceeded their service life according to ASHRAE guidelines.

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<u>FY 1999</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
SC	NH Beaufort	Replace Built-Up Roof , R2-96, Bldg. 1	597
		<u>Justification:</u> Existing 27 year old roof consists of coal tar built uproof with aggregate surfacing. The structural deck consists of poured structural concrete. This project will replace the deteriorated built up roofing with new built up roof.	
SC	NH Beaufort	Replace Child Water Piping System, R4-96, Bldg. 1	706
		<u>Justification:</u> This project will replace the existing chill and hot water piping throughout the hospital including isolation and control valves. The existing deteriorated and leaking piping system was installed when the hospital was built in 1949.	
SC	NH Beaufort	Replace Steam Piping System, R3-96, Bldg. 1	688
		<u>Justification:</u> Repair by replacement to the existing steam piping, converters, isolation, and control valves and other necessary appurtenances.. The existing system was installed 46 years ago when the hospital was built.	

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<u>FY 1999</u>	<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>	<u>Cost</u>
	SC	NH Beaufort	Replace Domestic Water Piping, R5-96, Bldg. 1	507	
			<u>Justification:</u> Repair by replacement to the existing domestic water lines throughout the hospital including all the fittings. The piping system is deteriorated and leaking and was installed when the hospital was built in 1949.		
	SC	NH Beaufort	Replace HVAC Fan Coil Units, R6-96, Bldg. 1	660	
			<u>Justification:</u> This project will replace the fan coil units and reinstall a DDC Control system for the HVAC system throughout the entire hospital. The fan coils are old, coils are dirty, stopped up and are maintenance plagued. There is no central control system for the HVAC system. There are branch pneumatic controls.		
	SC	NH CHASN	Provide Automatic Fire Protection Sprinklers, R1-96, Bldg. NH1	2,590	
			<u>Justification:</u> Project provides full automatic fire protection sprinklers to the entire building in accordance with the current Life Safety Codes and standards.		
	SC	NH CHASN	Provide Emergency Power System Generators, R2-96, Bldg. 1	1,010	
			<u>Justification:</u> Project provides emergency power to all areas of the facility. Critical systems such as HVAC and x-ray equipment are not currently powered by emergency generators. Project will meet the Life Safety Codes and NFPA requirements.		

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FY 1999	Location/Installation	Project Title	(\$000) Cost
State			
TX	NH CORPUS	Replace Sewer Lines, R2-96, Bldg. H100	659
		Justification: The sewer water distribution lines are old and deteriorated. Repairs require increased loss of sanitary facilities due to poor condition of soil pipes and drains. Continuing deterioration of the sewer water lines and longer repair times have an adverse impact on patient care.	
TX	Wilford Hall Med. Ctr (AETC)	Renovate ICUs	2,000
		Justification: Renovate ICU's to a modern patient care center. Renovation will include the accessibility from one unit to the other	
TX	Wilford Hall Med. Ctr (AETC)	Electrical Upgrade Bldg. 4550	500
		Justification: Current system is operating at capacity. The upgraded system will provide a safe and reliable electrical distribution system which will include new panels and transformers.	
TX	Wilford Hall Med. Ctr (AETC)	Replace Air Handling Units	1,500
		Justification: Replace aging air handling units 20,23,24,25, and 29 along with the associated exhaust fans to provide adequate heating and cooling to the medical center	

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<u>FY 1999 State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
TX	Wilford Hall Med. Ctr (AETC)	Replace Elevators	800
	Justification:	Replace aging elevators 7,8,9, and 10 to include new controllers, drivers, and refurbish cars	
TX	Wilford Hall Med. Ctr (AETC)	Replace Energy Plant Transformers	1,000
	Justification:	Replace aging transformers with one 15KVA and one 12 KVA transformer	
TX	Wilford Hall Med. Ctr (AETC)	Replace Steam Lines	500
	Justification:	Replace aging steam lines between the medical center and the energy plant	
TX	Wilford Med. Ctr (AETC)	Carpet Replacement	1,000
	Justification:	Phase I of carpet replacement project. Current carpet was installed in 1990 and is nearing end of its useful life	
VA	DeWitt Army Hospital	Replace Fire Alarm System	650
	Justification:	Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems	

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<u>FY 1999</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
VA	DeWitt Army Hospital	Replace Fire Sprinkler System	1,310
<u>Justification:</u> Repair/replacement for amelioration of health, safety, envir., or JCAHO impacts to critical systems.			
Total Minor Construction:		0	
Total Repair and Maintenance		74,026	
Total Active Installations:		74,026	
Total Inactive Installations:		0	
Grand Total:		74,026	